Specification Sheet

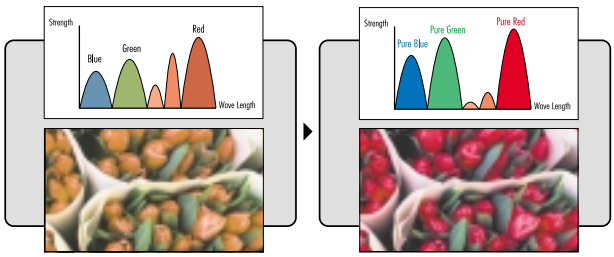
PlasmaSync 42MP3

42-Inch Plasma Screen

Multimedia Display Screens

The countdown to the next era of multimedia presentations is over. Introducing the PlasmaSync™ 42MP3. Lighter, quieter, sharper, brighter, more vivid, with advances that expand compatibility and connectivity. From forward-thinking boardrooms to broadcast studios where cinema-quality motion picture is essential, the PlasmaSync™ 42MP3 sets a new benchmark for impressive presentation.

1

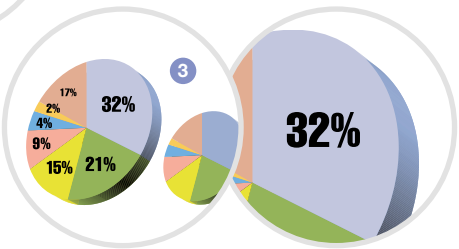


1 Capsulated Colour Filter and AccuCrimson technology for True to life Colour and Contrast. A key to the PlasmaSync™ 42MP3 visual performance is NEC exclusive Capsulated Colour Filter (CCF) and the new AccuCrimson filter to further reduce the orange colour emitted from phospor to achieve an overall improvement in colour balance and contrast.

2

2 Motion-adapted 3D progressive scan converter delivers high-quality reproduction of moving images. When converting interlaced signals (the NTSC and PAL standard), conventional progressive signal conversion is insufficient. The problem lies in the inability to precisely distinguish between moving objects and still objects. This results in motion artifacts – jagged images or flitter. To solve this problem, the PlasmaSync™ 42MP3 features a signal processing circuit with a proprietary algorithm that more effectively recognises which pixels represent a moving object and which represent a still object.

3



3 No Fan Cooling. For ultra quiet, 0dB operation the PlasmaSync™ 42MP3 features a new chasis layout and PDP panel offering improved power efficiency and cooling.

Right Terminal

Video 1,2,3
Audio 1
DVD/HD1
Audio 2
RGB 1
RGB2/DVD2/HD2
Audio 3
RGB 3 (DVI 29-pin)
Control Lock
Remote Control
External Control

Remote control

* DVD/HD/DTV input signals supported on this system:
480P (60Hz) 480I (60Hz) 720P (60Hz) 1080I (60Hz)
** Works only when the DVD has a component output.
May require use of the Video/S-Video terminal
depending on the type of DVD

Visual Communication

Multimedia Display Screens

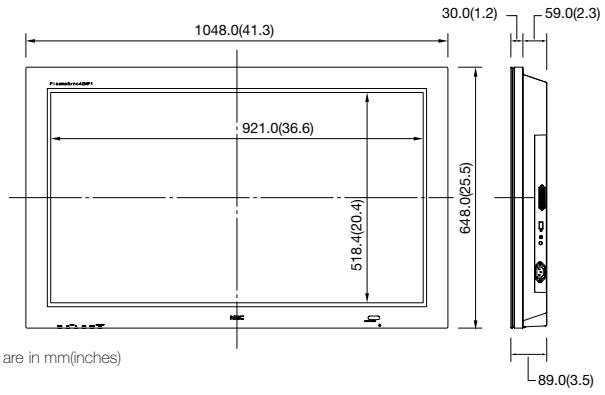
NEC PlasmaSync

4 Digital zoom ensures a wide range of viewing options. Delivering more power to presentations, Digital Zoom enables any part of an image to be enlarged in 16 steps up to nine times the original size. An advanced conversion processing circuit ensures compatibility with a wide range of resolutions. So, even finely detailed charts and diagrams appear sharp in 9x zoom.

5 Cinema mode for a genuine film experience. Watching DVD movies on the PlasmaSync™ 42MP3 resembles a true theatre experience. DVD players, which convert film source signals from 24 frames per second to 30 frames per second, provide sharp, smooth image reproduction, but not always reproduction that's true to the original film. With Cinema Mode*, the PlasmaSync™ 42MP3 uses a process called 2-3 pull-down to recognise film source signals from a DVD player. It then employs an exclusive progressive scanning conversion process to reproduce the information clearly, vividly and faithfully to the original film. * Operates with the NTSC and PAL60.

6 Digital RGB input is a simple connection away. Connecting the PlasmaSync™ to a computer through the built-in DVI connector allows direct digital input of RGB signals.

7 Thinking environmentally. On the 42MP3, two new earth-friendly features stand out. Non-combustible PC/HIS alloy replaces the halogen previously used in the front panel of the screen. And a water-base paint with low levels of organic solvent was used instead of ordinary paints.



Units are in mm(inches)

Specifications

Product Code	PX-42VM3 A/G	
Screen Size	921 (H) x 518.4 (V)mm Diagonal 1057mm	36.3 (H) x 20.4 (V) inches 42 inches
Aspect Ratio	16:9	
Resolution	853 (H) x 480 (V) pixels	
Pixel Pitch	1.08 (H) x 1.08 (V) mm	0.04 (H) x 0.04 (V) inches
Colour Reproduction	256 levels, 16,770,000 colors	
Signals	**Synchronisation Range** Horizontal: 15.5 to 93.8 kHz (automatic step scan) Vertical: 50.0 to 120.0 Hz (automatic: step scan)	
	Input signals RGB VGA*, XGA*, SXGA, UXGA/NTSC (3.58/4.43)/PAL (B, G, M, N)/PAL60/SECAM/HD**/DVD**/DTV**	
Input Terminals	**RGB** Visual 1 (Analog) Mini D-sub 15-pin x 1 Visual 2 (Analog) BNC*** (R, G, B, H/CS, V) x 1 Visual 3 (Digital) DVI-I 29-pin**** x 1 (Not compatible with analog input)	
	Video Visual 1 Visual 2 Visual 3	 RCA-pin x 1 BNC x 1 S-Video: DIN 4pin x 1
	HD/DVD/DTV/HDTV Visual	 RCA-pin (Y, Pb (Cb), Pr (Cr)) x 1
	Audio	Stereo RCA x 3 (selectable)
	External Control	D-sub 9-pin x 1 (RS-232C)
Output Terminals	Speaker	7 W + 7 W (6 Ω)
Current Rating	**G:** 4.6A (maximum)	
Power Sources	**G:** AC100 to 240 V 50/60 Hz	
Power Consumption	280 W (typical)	
Dimensions	1048 (W) x 648 (H) x 89 (D) mm (without stand) 41.3 (W) x 25.5 (H) x 3.5 (D) inches (without stand) 1048 (W) x 708 (H) x 360 (D) mm (with stand) 41.3 (W) x 27.9 (H) x 14.2 (D) inches (with stand)	
Weight	28.5kg (without stand) 33.5kg (with stand)	
Front Panel User Controls	Power on/off, Input source select, Volume up/down, OSM control	
Remote Control Functions	Power on/off, Input source select, OSM control, Volume up/down, Cursor (UP, DOWN, LEFT, RIGHT), Pointer, Zoom up/down, Off timer, Wireless/Wired remote control	
Regulations	**G:** Meets class A requirements (EN55022, EN61000-3-2, EN61000-3-3, EN55024) Meets Low Voltage Directive (EN60950, SEMKO Approved) Meets AS/NZS 3548 Class A	
Environmental Considerations	**Operation** Temperature Humidity Altitude	 0 to 40 °C 32 to 104 °F 20 to 80% (no condensation) 0 to 1900 m 0 to 6230 feet
	Storage Temperature Humidity Altitude	 -10 to 50 °C 14 to 122 °F 10 to 90% (no condensation) 0 to 3000m 0 to 9840 feet
	Fan Noise 0dB (no fan)	
Accessories	Remote controller with two AAA batteries, Wired remote cable, RGB cable (mini D-sub 15-pin to mini D-sub 15-pin connector), Power cord, User's Manual, Safety metal fitting, Screw for safety metal fitting, Ferrite core	
Other features	Motion-adapted 3D Progressive Scan Converter (with 2-3 pull down converter), Digital Zoom function (100 to 900 % Selectable), Self Diagnosis, Long Life Mode, Colour Temperature Select, Control Lock, Power management, Plug and play (DDC1, DDC2b, RGB3: DDC2b only) Anti-Burn functions	
Warranty	2 year on-site exchange service with optional Xtra Care for up to 3 years	

* SVGA, XGA, SXGA: This model automatically converts these signals to VGA with no loss of information.

** HD/DVD/DTV input signals supported on this system: 480P (60Hz) 480I (60Hz) 720P (60Hz) 1080I (60Hz)

*** The 5BNC terminal accepts both RGB input and component input, thus offering RGB2 and HD/DVD2 capability.

**** Not compatible with Copy Protection.

Note: One pixel comprises three cells that produce, respectively, red, blue and green colour.

The plasma display panel consists of fine picture elements (cells). Although NEC produces these plasma display panels with more than 99.99 percent of their cells active, there may be some cells that do not produce light or remain lit after they should have turned off.

Light output of a PDP module gradually decreases over long-term use. Do not display static images for prolonged periods: otherwise, phosphor burn may appear on a part of the panel. Phosphor burn is not covered by the warranty.

As this is a preliminary launch of the PlasmaSync™ 42MP3, some details of the features and specifications may be subject to change without notice.

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Features and specifications subject to change without prior notice.

NEC (UK) Ltd
NEC House, 1 Victoria Road, London W3 6BL

Customer service: 0845 234 40 40
www.plasmasync.co.uk • email: sales@plasmasync.co.uk

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